SkyGuardTWX Vision-Pro “978 UAT/1090 ES” ADS-B Receiver Setup

This Receiver is a fully integrated 978mhz UAT and 1090mhz ES radio receiver along with a WAAS GPS and WiFi transmitter. The unit is powered on by plugging the provided DC power adapter into any aircraft power socket that provides either 12v or 24v DC @ 1 amp. There are 3 antennas (2 long and 1 short) and a GPS receiver that must be installed **prior to powering up the receiver**. The GPS receiver “puck” is plugged into the ADS-B receiver with the “arrow” on the GPS plug pointing up. The 2 longer black ADS-B receiver antennas is attached to the outside coax connectors adjacent to and at same end as the GPS plug. As looking at the coax end plate, the left connector is the 978mhz receiver and the right connector is the 1090mhz receiver. The shorter WiFi antenna and the DC power adapter plug are connected to the opposite side of the receiver. See photo just below:

- After all antennas, GPS, and power adapter are connected, power up the Receiver.
- If using an iPad or iPhone for your display device, on your Apple device, go into "Settings" and turn ON Airplane mode.
- While in "Settings", turn on WiFi and after a brief search, a WiFi hot spot will appear showing "SkyGuardTWXxx" where "xx" is a numeric value specific to your ADS-B receiver.
- Select this hot spot by tapping on it's name.
- Wait for approximately 10 seconds for the Apple device to establish a connection to the ADS-B receiver over WiFi. If a connection is not established, turn off your WiFi on the Apple device and power cycle the receiver. Then try again.
- Close "Settings" on the Apple device.
- Select either WingX Pro 7, or any other Flight App. that supports the SkyGuardTWX Vision-Pro UAT/ES Receiver on the Apple device.
- Configure the selected App. to connect to the ADS-B receiver. Refer to the specific setup configuration as provide with the Flight App.
- If you are using an Adventure Pilot IFly 720 GPS as your display device, refer to the IFly 720 user manual for instructions to connect to the receiver.
- You are now ready to receive/display any UAT Weather/Traffic on the moving map of your display device.
- In order to maximize reception, it is best to place the receiver on the aircraft glare shield. If this is not possible, you can place the receiver anywhere as long as the receiver antennas have a clear view out the window and are not obstructed by any metal panels on your aircraft.
- If you would like to "remote mount" your receiver, you can purchase additional remote antennas with extension coax cables from www.SkyGuardTWX.com

Important Pilot Advisory Note Regarding Safety of Radio Frequency Energy:

FCC Compliance Statement:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment under FCC rules.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for a

public/uncontrolled environment.

WARNING: This receiver is to be used to improve pilot situational awareness only and as a navigational aid. It is not intended for primary navigation use in IFR or IMC flight conditions. SkyGuardTWX LLC is not responsible for the receiver's end use and will not be held liable for any events occurring from the use of the receiver.

Compatible with: